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ABSTRACT

[0026] A single-use hygiene item includes an insert in the form of an absorbing body that absorbs and holds body fluids and an analysis device for the body fluid which is provided at a location where the body fluid to be analyzed can be impinged upon. The analysis device is separated from the absorbing body in an essentially a liquid-proof manner or, optionally, by means of a separating layer in such a way that the body fluid to be analyzed can directly reach the analysis device.

In the claims:

1 1. (Amended) A single-use hygiene item having an absorbent
2 element for absorbing and retaining bodily fluid and having an analysis device for the
3 bodily fluid, characterized in that the analysis device is disposed at an area of the
4 hygiene item on which the bodily fluid to be analyzed can impinge and is separated in
5 an essentially fluid-tight manner from the absorbent element by a separating means,
6 so that bodily fluid passed by a user to be analyzed can reach the analysis device
7 directly, but bodily fluid that has penetrated to the absorbent element is retained by
8 the separating means away from the analysis device.

1 2. (Amended) The hygiene item in accordance with claim 1,
2 wherein the separating medium forms an insert in the absorbent element containing
3 the analysis device.

1 3. (Amended) The hygiene item in accordance with claim 2,
2 wherein the insert is dish-shaped.

1 4. (Amended) The hygiene item in accordance with claim 2,
2 wherein the insert has sidewalls extending up on a side facing the body.

1 5. (Amended) The hygiene item in accordance with claim 2,
2 wherein edges of the insert are folded over on an upper side.

1 7. (Amended) The hygiene item in accordance with claim 2
2 wherein the insert is located essentially flush-mounted with the upper side of the
3 absorbent element facing the body.

1 9. (Amended) The hygiene item in accordance with claim 2,
2 wherein the analysis device has a visual display unit.

1 10. (Amended) The hygiene item in accordance with claim 8,
2 wherein a side of the separating means against which the analysis device is disposed,
3 is made transparent, at least in the area of the analysis device, so that a visual reading
4 of the display unit is possible.

1 11. (Amended) The hygiene item in accordance with claim 2,
2 wherein the separating means containing the analysis device is separable from the
3 hygiene item.

1 12. (Amended) The hygiene item in accordance with claim 2,
2 wherein the separating means containing the analysis device is detachably fastened to
3 the hygiene item by means of one of an adhesive and a touch-sensitive means of
4 attachment.

1 13. (Amended) The hygiene item in accordance with claim 2,
2 wherein the insert containing the analysis device has a fluid absorbing and transport
3 layer which transfers the bodily fluid to the analysis device.

1 14. (Amended) The hygiene item in accordance with claim 13,
2 wherein the fluid absorbing and transport layer comprises cellulose fibers without the
3 addition of superabsorbent polymer materials.

1 15. (Amended) An analysis device for measuring the composition
2 of bodily fluids, in a single-use hygiene item having an absorbent element to absorb
3 and retain bodily fluids.

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